IN THE SPECIFICATION

Please replace the paragraph beginning on page 10, line 14 and ending on page 10, line 17 with the following amended paragraph.

Figures 5A-5B are a flow diagram of methods of resending incomplete transmissions, wherein Figure 5A shows a process to reduce transfer time for transmission of a medical data file in accordance with the present methods and ~~in~~ Figure 5B shows a prior art process of resending an entire data file.

Please replace paragraph beginning on page 10, line 10 and ending on page 10, line 13 with the following amended paragraph.

Figures 4A-4B illustrate the fields of a secured medical data packet in accordance with the teachings presented herein, wherein Figure 4A shows a packet constructed in accordance with IPSec Standards using AH protocol and Figure 4B shows a packet ~~with~~ constructed in accordance with IPSec Standards using ESP protocol.

Please replace paragraph beginning on page 11, line 10 and ending on page 11, line 19 with the following amended paragraph.

Figure 1 illustrates an exemplary secure network system **10** configured in accordance with one embodiment of the present invention. A modality **12** is coupled to a transmitter **20** through a DICOM converter **14**. A disassembly structure ~~**50**~~ 60 receives communication from the transmitter **20** across a public network **16**. The disassembly structure **60** may send the medical information to receiving station **80**, which station may optionally display, manipulate, store and/or print data captured/provided by modality **12**. The disassembly structure

~~50~~ 60 may also transmit an acknowledgement of receipt of such medical information to the transmitter **20**. It should be noted that the scope of the present invention anticipates any number of modalities, transmitters, disassembly structures and workstations configured in accordance herewith and arranged in various fashions.

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Please replace paragraph beginning on page 12, line 20 and ending on page 13, line 11 with the following amended paragraph.

The data that is captured by the modality **12** and transferred by a secure network system configured in accordance with the present teachings may take numerous forms. Some common formats include text, images, video, sound, such as audio dictation, waveform, curves, and/or combinations or variations thereof. Medical data of this sort may be grouped into various types. Where the data entering the transmitter are medical data, the data maybe formatted to be in compliance with several medical standards, for example DICOM and HL7 Standards. Clinical data is information acquired by a medical modality during the examination of a patient and relates to the patient's physical health. Examples of clinical data may include radiology images, camera photographs, sound recordings, and the like. Parameter data is another type of data representing criteria surrounding the acquisition of clinical data. Parameter data includes the settings of the medical modality acquiring the clinical data, relationships of multiple sets of data such as overlay data, timing of the data acquisition, measurements, coordinates, and the like. The parameter data includes some of the information required by the DICOM Standards for stored and transferred medical files. Other medical data may include 3-D volume data; series data for all clinical data in a medical series, e.g., coronal slices vs. axial slices in a CT exam or echoes as T1 slices vs. T2 slices in an MRI exam; annotation data for notes made by a practitioner, usually relating t the clinical data; and background data such as patient history and/or physical examination information.

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